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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/721,766	11/25/2003	Marco Viti	856063.749	4188	
38106 SEED INTELI	7590 03/21/2007 FCTIIAI PROPERTY I A	EXAMINER			
SEED INTELLECTUAL PROPERTY LAW GROUP PLLC 701 FIFTH AVENUE, SUITE 5400			HORN, ROBERT WAYNE		
SEATTLE, W	A 98104-7092		ART UNIT	PAPER NUMBER	-
			2837		•
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			MAIL DATE	DELIVERY MODE	
			03/21/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)		
Supplemental	10/721,766	VITI MARCO	VITI, MARCO	
Notice of Allowability	Examiner	Art Unit		
	Robert W. Horn	2837		
			<u> </u>	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not include nunication will be mailed in due	ded course. THIS	
1. X This communication is responsive to <u>amendments dated 2</u>	<u>/1/2007</u> .			
2. $igtimes$ The allowed claim(s) is/are <u>1-13, 15, 16, 18-22, 25-29, 31 a</u>	<u>and 33-35</u> .			
 Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	·) or (f).		
2. Certified copies of the priority documents have	e been received in Applicat	ion No		
3. Copies of the certified copies of the priority do	cuments have been receive	ed in this national stage applica	ation from the	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the re	equirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.			
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Revie	ew (PTO-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		•		
(b) including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment o	or in the Office action of		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the header according to 37 C	the drawings in the front (not th FR 1.121(d).	ne back) of	
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 	sit of BIOLOGICAL MATER FOR THE DEPOSIT OF B	FERIAL must be submitted. IOLOGICAL MATERIAL.	Note the	
Attachment(s)	5 □ Ninting of	Informal Datast Application		
1. Notice of References Cited (PTO-892)		Informal Patent Application Summary (PTO-413),		
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No	o./Mail Date		
Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. Examiner	s Amendment/Comment		
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ☐ Examiner' 9. ☐ Other	s Statement of Reasons for Al	lowance	
	_	LINCOLN DOVAN EXAMPERVISORY	MINER	
	J.			

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DETAILED ACTION

Priority

The examiner received a call requesting a review of the applicant's foreign priority. Applicant's claim for the benefit of a foreign priority is accepted. The examiner has determined that a request for foreign priority was filed in timely fashion along with a foreign priority document. Therefore, the examiner is filing a supplemental allowance.

Response to Amendment

The examiner acknowledges amendments after a final rejection dated 2/1/2007. The amendments are accepted as proper in that they place the application in the condition for allowance. With the amendments cancelled claim 30 is incorporated into allowable claim 31; and cancelled claim 32 is incorporated into claim 33. With the amendments claims 1-13, 15, 16, 18-22, 25-29, 31 and 33-35 are pending, and are all presently found to be allowable.

Allowable Subject Matter

Claims 1-13, 15-16, 18-22, 25-29, 31, 33 to 35 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

The reasons for the allowability of claims 1-13, 15-16, 18-22, 25-29 34-35 were made of record in previous office actions.

Regarding claim 1, an additional explanation is added regarding indented limitation 3. The phrase "counting window having an arbitrary duration" is taken to mean that the window duration is changeable by the method to respond to conditions Application/Control Number: 10/721,766 Page 3

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that may be arbitrary, e.g. noise. The applicant provides support for this interpretation on page 4, line 19 to page 5, line 20 and illustrated by figures 4-6.

Claim 31 is allowable for the indented steps of the method, but especially the steps:

using a bi-directional counter to count a difference in residence time of logic states '0' and '1' at an output of said detection circuitry during counting windows;

varying a counting frequency of the counter during various driving phases of the motor.

Claim 33 is allowable for all the indented steps, but especially the steps in combination:

using a bi-directional counter to count a difference in residence time of the logic states '0' and '1' at an output of said detection circuitry during each of a succession of counting windows;

using a value assumed by the counter at an end of each counting window in formulas to estimate an instantaneous portion of the rotor a period between two zero-crossings;

estimating a zero crossing based on previously determined zero crossings; and establishing a counting window such that the estimated zero crossing is at a midpoint of the counting window.

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert W. Horn whose telephone number is 571-272-8591. The examiner can normally be reached on Monday-Friday 7:00-3:30 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lincoln D. Donovan can be reached on 571-272-8591. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

rwh February 15, 2007